	Soil (Resident, No Cover)		Soil (Resident, 20 cm Cover)		Stuctures (Indoor Worker)				
ROC	RG (pCi/g)	Risk	RG (pCi/g)	Risk	Total RG (dpm/100 cm2)	External Risk	Removable RG (dpm/100 cm2)	Ingestion Risk	Total Risk
Am-241	1.360	6.1E-07	1.360	2.6E-07	100	4.8E-08	20	9.0E-06	9.1E-06
Cs-137	0.113	2.0E-06	0.113	1.6E-06	5000	5.2E-05	1000	1.2E-04	1.7E-04
Co-60	0.036	1.1E-06	0.036	8.9E-07	5000	8.2E-05	1000	1.1E-05	9.3E-05
Eu-152	0.130	3.4E-06	0.130	2.7E-06	5000	7.5E-05	1000	8.0E-06	8.3E-05
Eu-154	0.230	4.9E-06	0.230	4.0E-06	5000	6.1E-05	1000	9.6E-06	7.0E-05
H-3	2.280	9.6E-06	2.280	0.0E+00	5000	0.0E+00	1000	1.2E-07	1.2E-07
Pu-239	2.59	6.7E-07	2.59	3.7E-09	100	5.3E-10	20	1.2E-05	1.2E-05
Ra-226	1	7.9E-05	1	5.9E-05	100	3.9E-06	20	2.3E-04	2.4E-04
Sr-90	0.331	7.9E-08	0.331	3.3E-08	1000	3.3E-07	200	4.4E-05	4.4E-05
Th-232	1.69	1.7E-04	1.69	1.4E-04	36.5	1.9E-06	7.3	3.3E-05	3.5E-05
U-235	0.195	1.0E-06	0.195	7.7E-07	100	3.5E-07	20	2.4E-05	2.5E-05

Soil PRG Calculator (without durable cover)

- Resident receptor with soil media (ingestion, inhalation, external exposure)
- Site-specific PRGs with risk output selected
- For convenience and ease of input, long-lived ROCs (half-lives >100 yr) run using default secular equilibrium (no decay) option: Am, Pu, Ra, Th, U
    - Ra and Th risks come from full secular equilibrium
    - Am risks from Am-241 only
    - Pu risks include U-235m
    - U risks include Th-231
- Shorter-lived ROCs (half-lives <100 yr) run using Provide results for progeny (with decay) option: Cs, Co, Eu, H, Sr
    - Cs risks include Ba-137m (Ba-137m activity and half-life set to equal that of Cs-137)
    - Co risks from Co-60 only
    - Eu risks from Eu-152 or Eu-154 only
    - H risks from H-3 only
    - Sr risks include Y-90 (Y-90 activity and half-life set to equal that of Sr-90)
- RGs (pCi/g) used as input concentrations
- Site area for ACF changed to maximum 1E+06 m^2 to provide most conservative risks
- Soil cover thickness for GSFo: 0 cm
- Soil cover thickness for GSFb: 0 cm
- City (Climate Zone) changed to San Francisco

Soil PRG Calculator (with durable cover)

- Resident receptor with soil media
- Soil cover thickness for GSFo: 20 cm (soil equivalent of 6 cm asphalt cover)
- Soil cover thickness for GSFb: 0 cm (assumed no clean soil under building slabs to provide most conservative risks)
- All other inputs used are the same as those for Soil PRG Calculator (without durable cover)
- Risks are from external exposure only

Building PRG Calculator

- Indoor Worker receptor with dust media (ingestion and external exposure)
- Site-specific BPRGs with risk output selected
- For convenience and ease of input, long-lived ROCs (half-lives >100 yr) run using default secular equilibrium (no decay) option: Am, Pu, Ra, Th, U
    - Ra and Th risks come from full secular equilibrium
    - Am risks from Am-241 only
    - Pu risks include U-235m
    - U risks include Th-231
- Shorter-lived ROCs (half-lives <100 yr) run using Provide results for progeny (with decay) option: Cs, Co, Eu, H, Sr
    - Cs risks include Ba-137m (Ba-137m activity and half-life set to equal that of Cs-137)
    - Co risks from Co-60 only
    - Eu risks from Eu-152 or Eu-154 only
    - H risks from H-3 only
    - Sr risks include Y-90 (Y-90 activity and half-life set to equal that of Sr-90)
- Input concentrations based on both RGs: total contamination (fixed + removable) and removable (loose, 20% of total)
    - Input for total contamination: RGs (in pCi/cm^2)
    - Input for removable contamination: 20% of RGs (in pCi/cm^2)
- Total risk consists of sum of external risk from exposure to both fixed and removable contamination on a surface and the ingestion risk from exposure to only the removable fraction